

Figure 1 (prior art)

100

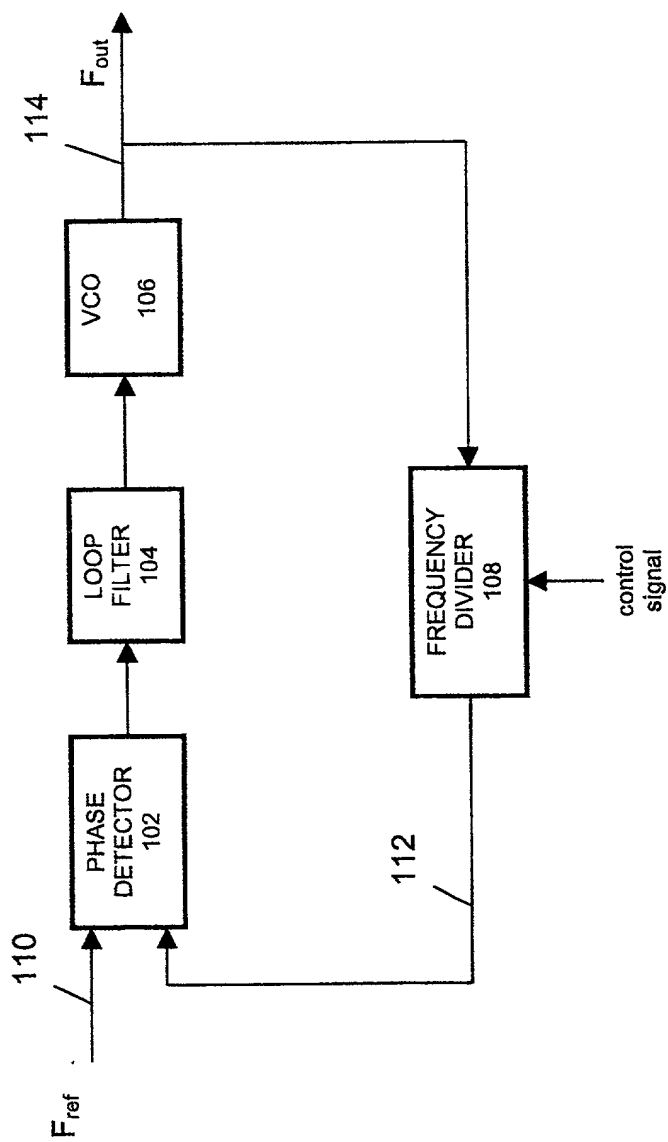
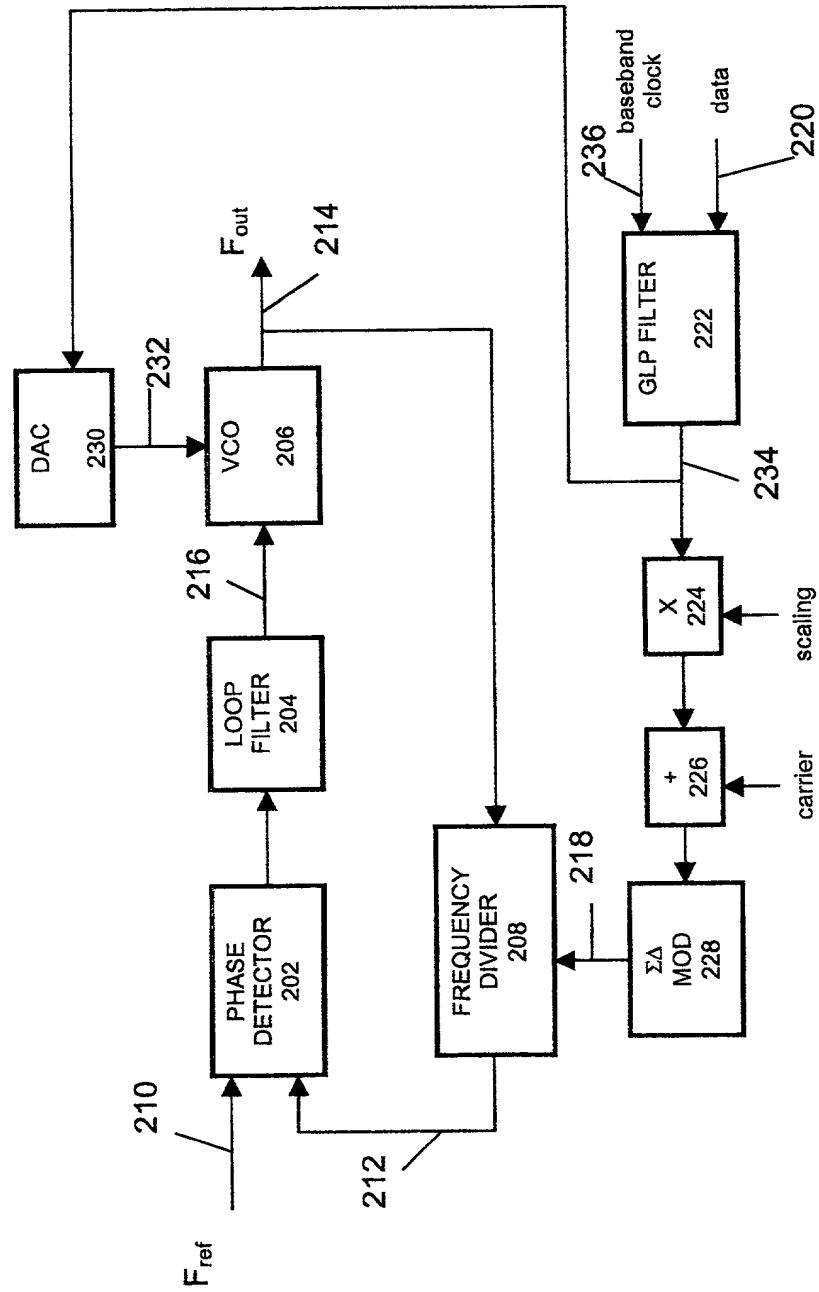
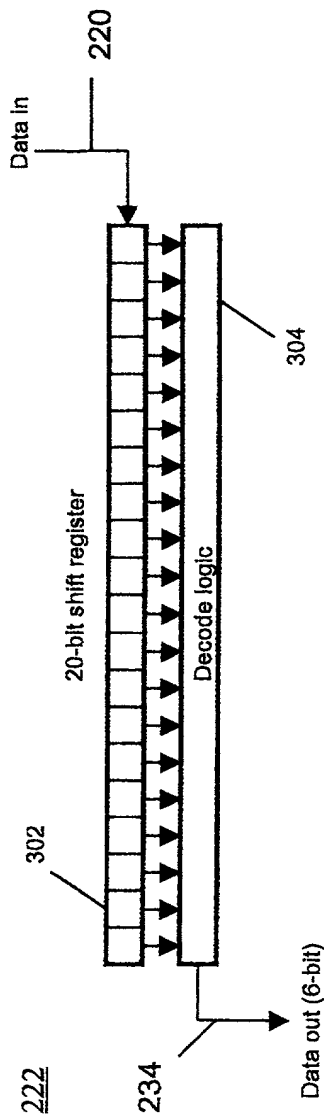


Figure 2

200



**Figure 3A****Figure 3B**

Gaussian Filter Look-up Table for 12.00 MHz Baseband Clock

SR value	Output	SR value	Output	SR value	Output
FFFFF	1F	C0000	21	0FFFF	1D
FFFFE	1F	80000	20	1FFFF	1E
FFFFC	1E	00000	20	3FFFF	1E
FFFF8	1E	00001	20	7FFFF	1F
FFFF0	1D	00003	21	FE001	2B
FFFE0	1B	00007	21	FC003	27
FFFC0	18	0000F	22	F8007	25
FFF80	14	0001F	24	F000F	24
FFF00	0E	0003F	27	E001F	25
FFE00	07	0007F	2B	C003F	27
FFC00	3F	000FF	31	8007F	2B
FF800	38	001FF	38	01FFE	14
FF000	31	003FF	3F	03FFC	18
FE000	2B	007FF	07	07FF8	1A
FC000	27	00FFF	0E	0FFF0	1B
F8000	24	01FFF	14	1FFE0	1A
F0000	22	03FFF	18	3FFC0	18
E0000	21	07FFF	1B	7FF80	14

**Figure 3C**

Gaussian Filter Look-up Table for 13.00 MHz Baseband Clock

SR value	Output	SR value	Output	SR value	Output
FFFFF	1F	C0000	21	0FFFF	1C
FFFFE	1E	80000	20	1FFFF	1D
FFFFC	1E	00000	20	3FFFF	1E
FFFF8	1D	00001	20	7FFFF	1E
FFFF0	1C	00003	21	FC001	28
FFFE0	1A	00007	22	F8003	26
FFFC0	17	0000F	23	F0007	24
FFF80	13	0001F	25	E000F	24
FFF00	0D	0003F	28	C001F	26
FFE00	07	0007F	2C	8003F	28
FFC00	3F	000FF	32	03FFE	17
FF800	38	001FF	38	07FFC	19
FF000	32	003FF	3F	0FFF8	1B
FE000	2C	007FF	07	1FFF0	1B
FC000	28	00FFF	0D	3FFE0	19
F8000	25	01FFF	13	7FFC0	17
F0000	23	03FFF	17		
E0000	22	07FFF	1A		

Figure 4A

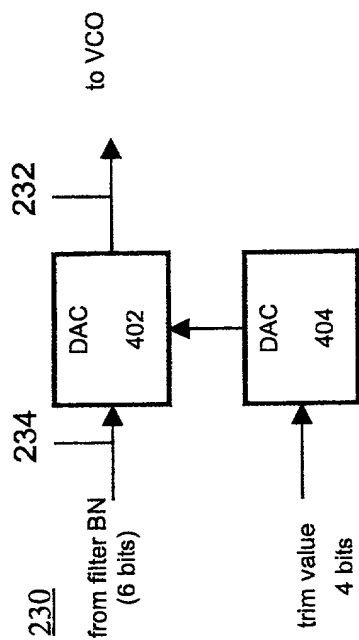
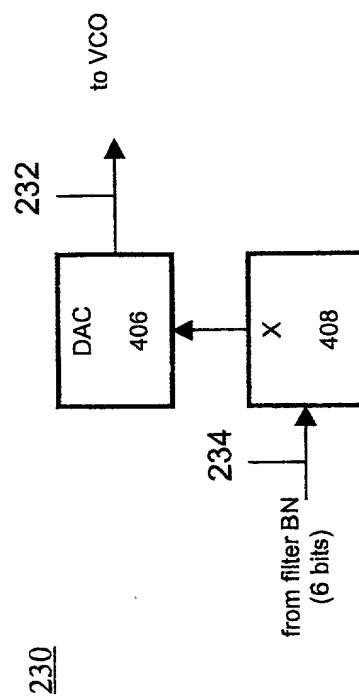


Figure 4B



**Figure 5**

500

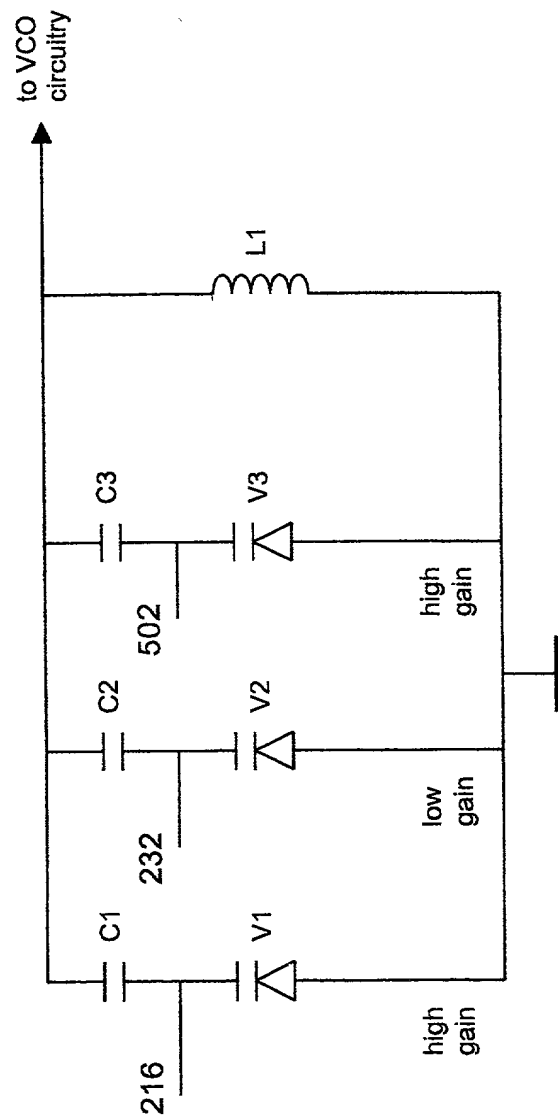


Figure 6A

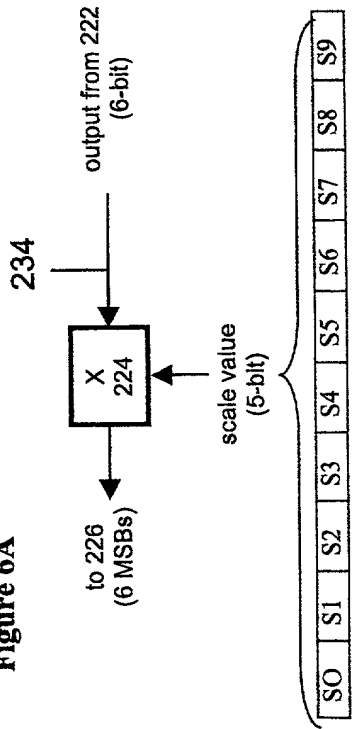


Figure 6B

Look-up Table of Scale Values

Reference frequency, MHz	Deviation, Hz	Scale value (5bit)	Table Entry
12.00	155273	27	S0
12.80	153125	25	S1
13.00	155518	25	S2
15.36	153750	21	S3
16.80	159961	20	S4
19.20	154688	17	S5
19.44	156621	17	S6
19.68	158555	17	S7
19.80	159521	17	S8
26.00	158691	13	S9

Figure 7A

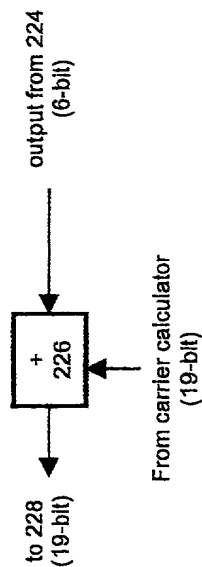


Figure 7B

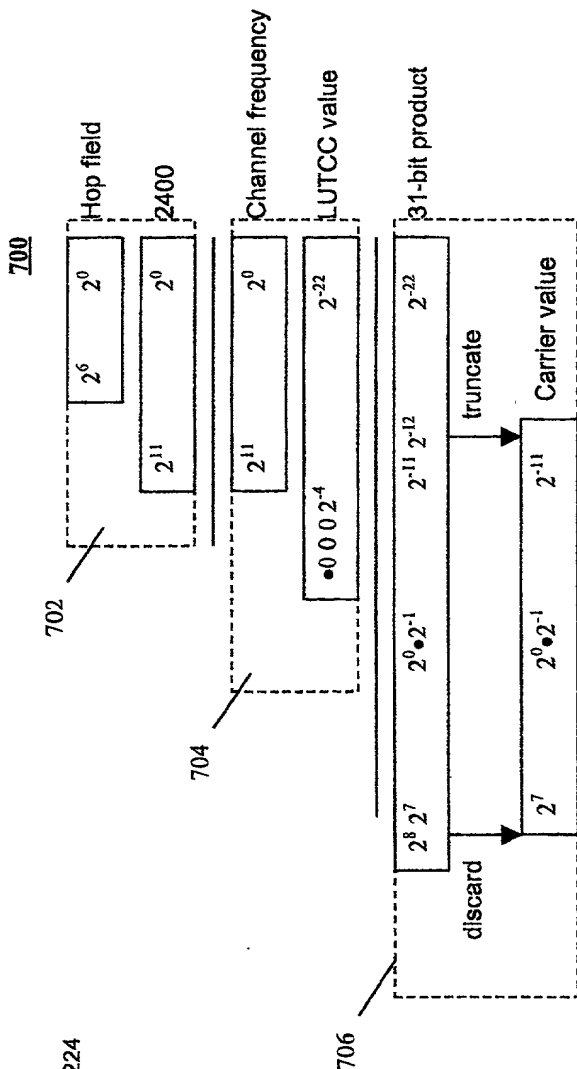


Figure 7C

Look-up Table For Carrier Calculation

Reference frequency, MHz	LUTCC Value	
	Decimal	Hex
12.00	349525	5555
12.80	327680	5000
13.00	322638	4EC4E
15.36	273066	42AAA
16.80	249660	3CF3C
19.20	218453	35555
19.44	215756	34ACC
19.68	213125	34085
19.80	211833	33B79
26.00	161319	27627





Figure 9

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